

# DELPHION

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## Derwent Record

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**Derwent Title:** Micro and nano particles useful e.g. as carriers of medicines, and agrochemicals, absorbents for cosmetic purposes, and for separations and analysis.

**Original Title:** ☒ FR2780901A1: PARTICULES, EN PARTICULIER MICRO- OU NANOPARTICULES DE MONOSACCHARIDES ET OLIGOSACCHARIDES RETICULES, LEURS PROCEDES DE PREPARATION ET COMPOSITIONS COSMETIQUES, PHARMACEUTIQUES OU ALIMENTAIRES EN CONTENANT

**Assignee:** COLETICA Non-standard company  
COLETICA SA Non-standard company  
ANDRY M Individual  
BUFLEVANT C Individual  
EDWARDS F Individual  
LEVY M Individual  
PARIOT N Individual  
PERRIER E Individual  
REY-GOUTENOIRE S Individual

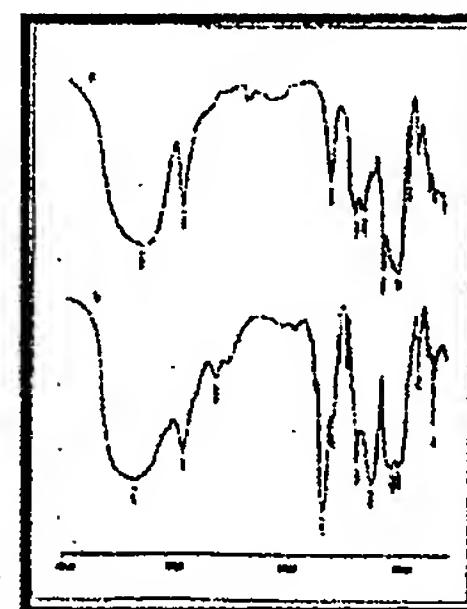
**Inventor:** ANDRY M; ANDRY M C; BUFLEVANT C; EDWARDS F; LEVY M; LEVY M C; PARIOT N; PERRIER E; REY G S; REY-GOUTENOIRE S;

**Accession/Update:** 2000-163212 / 200356

**IPC Code:** A61J 3/00 ; A61K 31/70 ; B01J 13/16 ; C07H 3/00 ; C08B 37/00 ; A61K 7/00 ; A61K 7/48 ; A61K 9/00 ; A61K 9/107 ; A61K 9/50 ; A61K 9/52 ; A61K 9/62 ; A61K 47/36 ; A61K 47/40 ; A61K 47/42 ; A61P 31/00 ; A61P 35/00 ; B01F 3/08 ; B01F 17/00 ; B01J 13/00 ; C07H 1/00 ; C08B 37/16 ;

**Derwent Classes:** A96; B07; D21; J04; P33; A11; D13;

**Manual Codes:** A03-A(Polysaccharides [non-cellulosic]) ; A07-B04 (Natural and/or condensation polymer dispersions) , A08-D(Crosslinkers and accelerators for other polymers [exc.addition and ethylenically unsatd.]) , A11-C02 (Crosslinking, curing, vulcanisation) , A12-S09(Powders, granules ['semi-finished' materials]) , B02-K(Antibiotics beginning with the letter "k", general) , B02-S(Antibiotics beginning with the letter "s", general) , B03-C(B2 (riboflavin)) , B04-B03A(Nucleosides) , B04-C02B (Starch, dextrin and derivatives) , B04-C02X (Oligosaccharides) , B04-D01(Sugars (mono- or disaccharides)) , B04-L01(Enzymes, catalytic proteins general and other) , B04-N01(Plant protein/polypeptide (no sequence)) , B04-N02(Animal protein/polypeptide (no sequence)) , B07-A02B(Tetrahydropyran) , B12-M10A (Sustained release (general)) , B12-M11E (Microcapsule) , B14-A02(Antiviral [general]) , B14-H01 (Anticancer general and other) , B14-R03 (Antiperspirant) , D03-H01(Foodstuffs; non-alcoholic beverages and preparations not provided for elsewhere, general) , D08-B09B(Antiperspirants) , J04-B(Laboratory

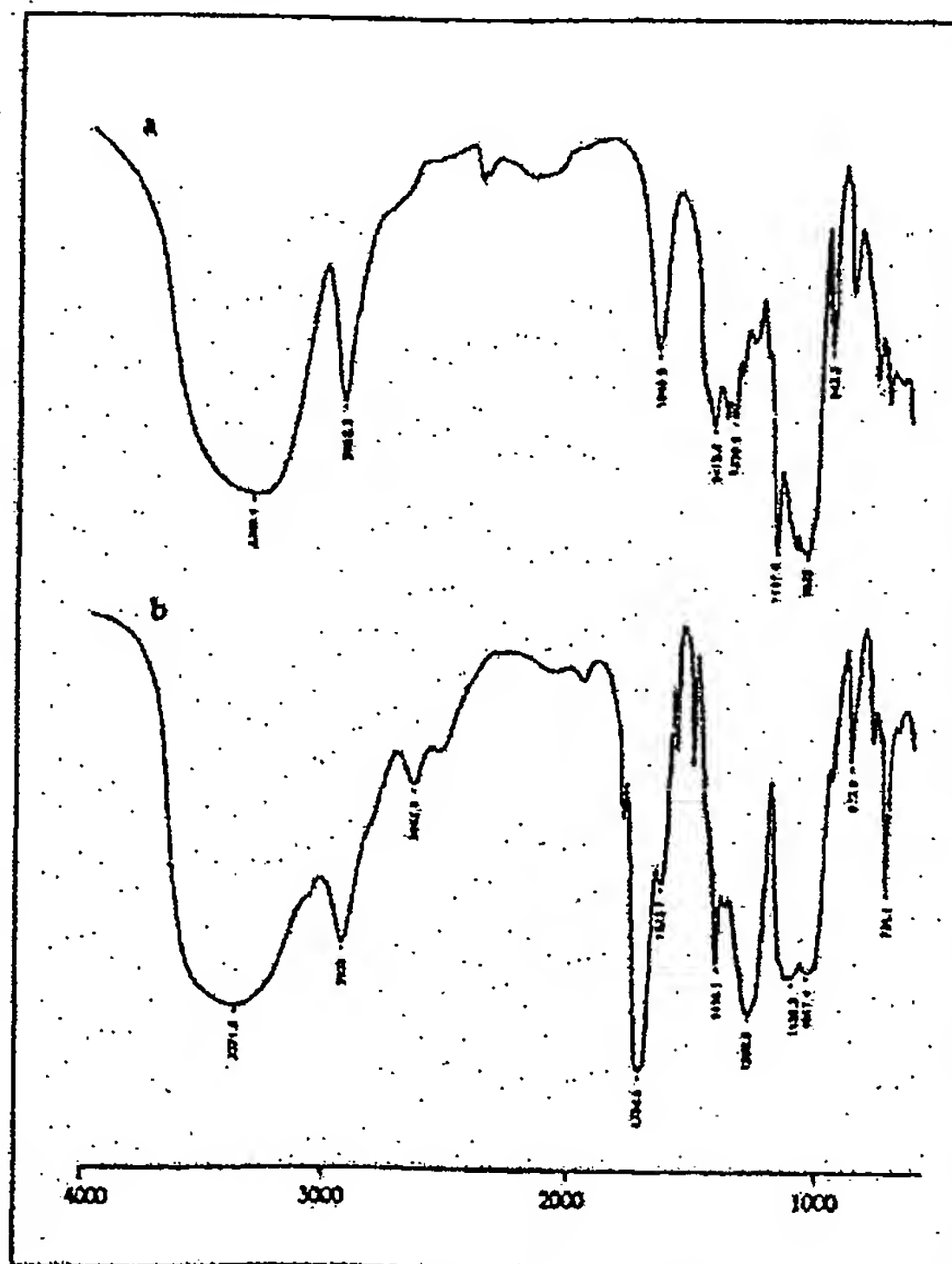


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apparatus and methods [laboratory apparatus, general])

**Derwent Abstract:** (FR2780901A) **Novelty** - Particles comprise cell walls formed by the crosslinking of one or more mono- or oligosaccharides, using emulsion interfacial crosslinking, preferably at ambient temperature, of at least one primary alcohol group on the saccharide with a polyfunctional acylating agent, preferably a diacid halide (more preferably diacid chloride).  
**Detailed Description** - Particles comprise cell walls formed by the crosslinking of one or more mono- or oligosaccharides, using emulsion interfacial crosslinking, preferably at ambient temperature, of at least one primary alcohol group on the saccharide with a polyfunctional acylating agent, preferably a diacid halide (more preferably diacid chloride).  
 An INDEPENDENT CLAIM is also included for the preparation of the particles.  
**Use** - The compositions are prepared for cosmetic, pharmaceutical, dietetic, agro-alimentary and agro-industrial purposes. Crosslinked cyclodextrin particles form inclusion complexes readily and these may also be used for the separation of stereoisomers, as catalysts, for the extraction of materials, for detoxification of liquids, and for analytical purposes. Cosmetics containing crosslinked cyclodextrin particles have the property of absorbing excess lipids from the skin, sweat degradation products, and the substances responsible for bad breath. The particles are also useful for preparing slow release pharmaceutical compositions.

**Images:**



**Description of Drawing(s)** - The figures a and b show the infra red spectra of the starting cyclodextrin and of the crosslinked microparticles respectively.

**Description of Drawing(s)** - The figures a and b show the infra red spectra of the starting cyclodextrin and of the crosslinked microparticles respectively. Dwg.2/4

**Family:**

PDF Patent	Pub. Date	Derwent Update	Pages	Language	IPC Code
<input checked="" type="checkbox"/> FR2780901A1 *	2000-01-14	200015	65	French	B01J 13/16
Local apps.: FR1998000008809 Filed:1998-07-09 (98FR-0008809)					
JP03437797B2 =	2003-08-18	200356	26	English	C08B 37/00
Local apps.: Previous Publ. JP20038402 (JP2000038402)					
JP1999000196705 Filed:1999-07-09 (99JP-0196705)					

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☒ IT1311514B = 2002-03-13 200251 Italian A61J 3/00  
Local appls.: IT1999TO0000599 Filed:1999-07-09 (99IT-TO00599)

☒ ES2155793B1 = 2001-12-01 200205 Spanish B01J 13/16  
Local appls.: ES1999000001547 Filed:1999-07-09 (99ES-0001547)

☒ ES2155793A1 = 2001-05-16 200138 Spanish B01J 13/16  
Local appls.: ES1999000001547 Filed:1999-07-09 (99ES-0001547)

☒ US6197757 = 2001-03-06 200115 26 English A61K 31/70  
Local appls.: US1999000350131 Filed:1999-07-09 (99US-0350131)

☒ KR0011579A = 2000-02-25 200102 English C07H 3/00  
Local appls.: KR1999000027476 Filed:1999-07-08 (99KR-0027476)

☒ JP2000038402A2 = 2000-02-08 200018 26 English C08B 37/00  
Local appls.:  
JP2000038402A2

☒ DE19932216A1 = 2000-01-27 200015 34 German C08B 37/00  
Local appls.: DE1999001032216 Filed:1999-07-09 (99DE-1032216)

☒ NL1012517C2 = 2000-01-11 200017 Dutch B01J 13/16  
Local appls.: NL1999001012517 Filed:1999-07-05 (99NL-1012517)

INPADOC None  
Legal Status:

Priority Number:

Application Number	Filed	Original Title
<u>FR1998000008809</u>	1998-07-09	PARTICULES, EN PARTICULIER MICRO- OU NANOPARTICULES DE MONOSACCHARIDES ET OLIGOSACCHARIDES RETICULES, LEURS PROCEDES DE PREPARATION ET COMPOSITIONS COSMETIQUES, PHARMACEUTIQUES OU ALIMENTAIRES EN CONTENANT

Chemical Indexing Codes:

[M1]01:M423 M430 M782 M904 Q110 Q254 Q435  
[M1]02:M423 M430 M782 Q110 Q254 Q435  
[M2]03:G032 G033 G038 G039 G060 G730 H4 H403 H461 H482 H8 M210  
M211 M240 M283 M312 M321 M332 M343 M373 M391 M415 M430  
M510 M520 M530 M541 M782 M904 Q110 Q254 Q435  
[M2]04:F012 F013 F014 F015 F016 F017 F019 F113 F123 H4 H405 H424 H483  
H5 H521 H8 K0 L8 L814 L818 L822 L831 M1 M126 M141 M280 M311  
M323 M342 M373 M393 M413

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